

REMARKS

This amendment is being submitted to expedite the patent application process.

Applicants have canceled all previously-pending claims and added one new claim. In particular, by virtue of this amendment, claims 21 and 22 are pending. Claims 1-20 have been canceled without prejudice or disclaimer. New claims 21 and 22 have been added. It is submitted that the application, as amended, is in condition for allowance. Allowance of the pending claim is respectfully requested.

Claims 9 and 19 were objected to because of "informalities". Claims 9 and 19 have been canceled so this objection is moot.

Claims 9-14 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Claims 9-14 have been canceled so this rejection is moot.

Claims 1-20 were rejected under the doctrine of obviousness-type double patenting as being unpatentable over claims 1-19 of U.S. Patent No. 7,136,490. Claims 1-20 have been canceled so this rejection is moot. Further, it is respectfully submitted that new claims 21 and 22 are not anticipated by claims 1-19 of U.S. Patent No. 7,136,490 because these claims do not contain (or suggest) all of the limitations of new claims 21 and 22.

Claims 1-20 were rejected under 35 U.S.C. § 102(b) as being anticipated by Nielsen (U.S. Patent No. 6,182,229). Claims 1-20 have been canceled so this rejection is moot.

Claims 21 and 22 have been added by this amendment, and are provided to further define the invention disclosed in the specification. Claims 21 and 22 are allowable over Nielsen for at least the following reasons.

The embodiment of the present invention recited in claim 21 provides a computer-implemented method for managing authentication information for a user. According to the method, authentication information entered into a web page by the user is encrypted so as to

produce encrypted authentication information, and the encrypted authentication information is stored in an ID store on a remote computer. The authentication information includes a password and a state of at least one checkbox or radio button, and the ID store is stored in an LDAP directory entry of the user and a database version number being stored as a separate LDAP entry attribute. The encrypted authentication information is stored in the ID store as encrypted eXtensible Markup Language containing Hypertext Markup Language form values for login Universal Resource Locators. A login name and a master digital key are received from the user. The master digital key is a binary key, and a biometric signature is received from the user to unlock the master digital key. The user is authenticated based on the login name and the master digital key. After this authentication, the encrypted authentication information is retrieved from the ID store on the remote computer and unencrypted so as to produce the authentication information.

An authentication information prompt on the web page is recognizing by matching a form name associated with the authentication information from the ID store with a form name of an HTML form of the web page. There is received from the user a selection of a stored identity of the user from among multiple stored identities for the user, with at least two of the stored identities storing different authentication information for the user for the web page. After recognizing the authentication information prompt, the authentication information for the user is automatically submitted to the web page based on the stored identity selected by the user. This automatic submission is achieved by retrieving the authentication information based on the stored identity selected by the user, filling text fields in the web page with the authentication information including filling one of the text fields in the web page with the password, setting the state of the at least one checkbox or radio button based on the authentication information, and automatically pressing a login button on the web page.

The Nielsen reference discloses a system that uses a master password to decrypt stored passwords for multiple remote servers. However, Nielsen does not disclose a method for managing authentication information in which authentication information including a password and a state of at least one checkbox or radio button entered into a web page by the user is encrypted so as to produce encrypted authentication information, the encrypted authentication information is stored in an ID store on a remote computer, with the ID store being stored in an

LDAP directory entry of the user and a database version number being stored as a separate LDAP entry attribute, and with the encrypted authentication information being stored in the ID store as encrypted eXtensible Markup Language containing Hypertext Markup Language form values for login Universal Resource Locators, a login name and a master digital key that is a binary key are received from the user, a biometric signature is received from the user to unlock the master digital key, the user is authenticated based on the login name and the master digital key, an authentication information prompt on the web page is recognizing by matching a form name associated with the authentication information from the ID store with a form name of an HTML form of the web page, there is received from the user a selection of a stored identity of the user from among multiple stored identities for the user, with at least two of the stored identities storing different authentication information for the user for the web page, and the authentication information for the user is automatically submitted to the web page based on the stored identity selected by the user by retrieving the authentication information based on the stored identity selected by the user, filling text fields in the web page with the authentication information including filling one of the text fields in the web page with the password, setting the state of the at least one checkbox or radio button based on the authentication information, and automatically pressing a login button on the web page, as is recited in new claim 21.

Applicants believe that the differences between Nielsen and the present invention are clear in new claim 21, which sets forth a method according to one embodiment of the present invention. Therefore, claim 21 distinguishes over the Nielsen reference.

As discussed above, claim 21 distinguishes over the Nielsen reference, and thus, claim 22 (which depends from claim 21) also distinguishes over the Nielsen reference.

Applicants are not conceding in this application that the canceled claims are not patentable over any prior art, as the present claim amendments and cancelations are only for facilitating expeditious prosecution of allowable subject matter. Applicants respectfully reserve the right to pursue the canceled and other claims in one or more continuation and/or divisional patent applications.

Applicants have examined the references cited by the Examiner as pertinent but not relied upon. It is believed that these references neither disclose nor make obvious the invention recited in the present claims. In view of the foregoing, it is respectfully submitted that the application and the claims are in condition for allowance. Reexamination and reconsideration of the application, as amended, are requested.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is invited to call the undersigned attorney at (561) 989-9811 should the Examiner believe a telephone interview would advance the prosecution of the application.

The Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 50-1556.

Respectfully submitted,

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